

Docket No. 247091US2SRD/phh



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Mitsunobu YOSHIDA, et al.

SERIAL NO: 10/743,086

GAU:

FILED: December 23, 2003

EXAMINER:

FOR: SIMULATION METHOD AND PROGRAM PRODUCT

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☒ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

  
Marvin J. Spivak

Registration No. 24,913

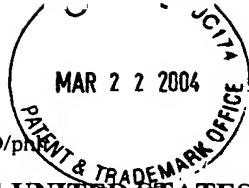
Joseph A. Scafetta, Jr.  
Registration No. 26, 803

Customer Number

**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

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**STATEMENT OF RELEVANCY**

**Reference AU on Form PTO 1449:**

This paper gives theoretical background of programming Language: hcc.

**Reference AV on Form PTO 1449:**

This manual describes the programming details constraint programming language: hcc.

**Reference AW on Form PTO 1449:**

This paper describes implementation of hcc.

**Reference AX on Form PTO 1449:**

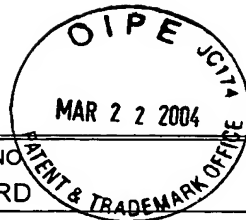
This paper describes an interpreter for hybrid modeling language: hcc.

**Reference AY on Form PTO 1449:**

This paper gives a sample model for the AERcam written in hybrid modeling languages: hcc.

**Reference AZ on Form PTO 1449:**

This paper describes a biomolecular network modeling using hybrid modeling language: CHARON.

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
247091US2SRDSERIAL NO.  
10/743,086

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Mitsunobu YOSHIDA, et al.

FILING DATE

December 23, 2003

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,831,853	11/03/1998	D. G. BOBROW, et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AU	V. GUPTA, et al., Science of Programming, pages 1-55, "COMPUTING WITH CONTINUOUS CHANGE", 1998
	AV	B. CARLSON, et al., pages 1-30, "THE HCC PROGRAMMER'S MANUAL", 1997
	AW	B. CARLSON, et al., Hybrid systems: Computation and Control HSCC '98, vol. LNCS 1386, 16 pages, "HYBRID CC WITH INTERVAL CONSTRAINTS", 1998
	AX	V. GUPTA, et al., In Hybrid Systems II, vol. LNCS 999, 26 pages, "PROGRAMMING IN HYBRID CONSTRAINT LANGUAGES", 1995
	AY	L. ALENIUS, et al., CP '98 Workshop on Modeling and Computation in the Concurrent Constraint Languages, pages 1-14, "MODELING AN AERCAM: A CASE STUDY IN MODELING WITH CONCURRENT CONSTRAINT LANGUAGES", October 5, 1998
	AZ	R. ALUR, et al., HSCC 2001, vol. LNCS 2034, pages 19-32, "HYBRID MODELING AND SIMULATION OF BIOMOLECULAR NETWORKS", 2001
		<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



**LIST OF RELATED CASES**

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Inventor/ Applicant</u>
235510US2 SRD	10/388,663	03/17/03	KONDO
245936US2 SRD	10/721,544	11/26/03	KONDO
247087US2 SRD	10/743,090	12/23/03	KONDO et al.
247091US2 SRD*	10/743,086	12/23/03	YOSHIDA et al.

\*Present Application; listed for information

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